



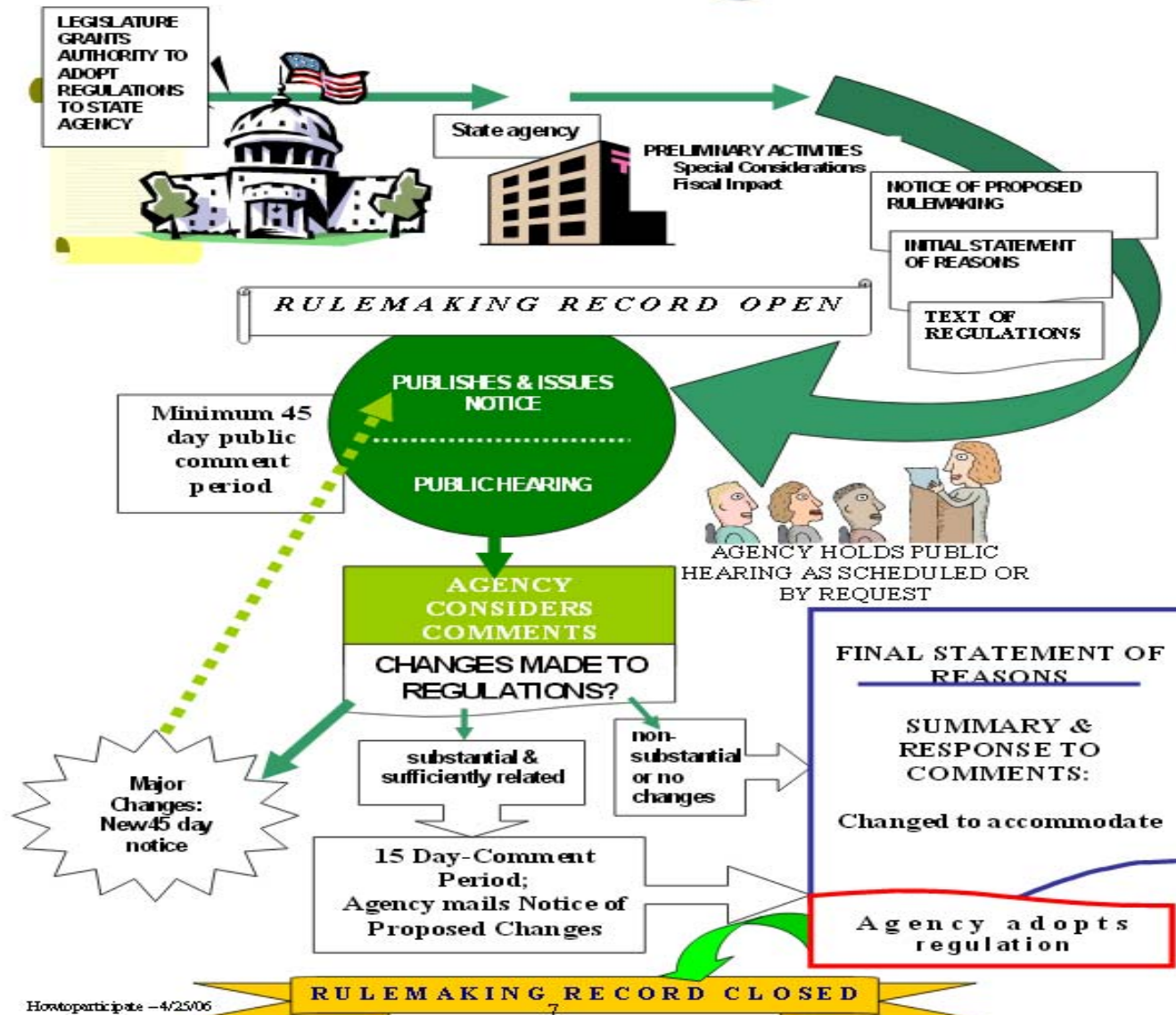
# Scoping Water Heating Systems Workshop

Title 24 Rulemaking Overview

July 16, 2013



# The Rulemaking Process





## How Standards are Updated

- Life cycle costing (LCC) for adopted measures based on:
  - Updated weather files
  - Updated TDV values
  - Updated LCC methodology
- Traditional – Staff Got input from the public, including designers, architects, energy consultants, builders, utilities, equipment manufacturers, building officials, environmentalists, scientists, engineers, and others



- Building Life Cycle Cost-Effectiveness
  - Net Present Value of energy savings, construction costs, & maintenance costs over life of the building
  - Residential building life cycle – 30 years
  - Nonresidential building life cycle – 30 years (envelope), 15 years lighting and mechanical systems
  - 3% real discount rate



## 2016 Standards Update

### IOUs Support and the Stakeholder Meetings

- The Statewide IOUs (PG&E, SCE, SDG&E, and SCG) will be holding stakeholder meetings throughout the state in support of the 2016 Standards update. This will result in the first 2016 Draft Standards
- Staff will hold workshops in Spring of 2014 to present the draft Standards at the conclusion of the IOUs' stakeholder meeting process.



## Schedule for 2016 Title 24

- January 2013 – May 2014: Pre Rulemaking
- June 2014 – Staff Final Draft of Rulemaking Package: Express Terms, ISOR, NOPA
- September 2014 – NOPA Package filing to California Building Standards Commission
- September 2014 – Publish 45-Day Language
- October 2014 – Hearing(s) on 45-Day Language
- December 2014 – Publish Express Terms – 15-Day Language
- January 2015 – Business Meeting – Adoption
- October 2015 – California Building Standards Commission approval
- No later than July 2016 – Compliance Tools available
- January 1, 2017 – Effective Date



# 2013 Standards Update

Questions?